

# ATTUNE TROUBLESHOOTING GUIDE



## CLOG SUSPECTED

### Step 1: Contrad Rinse

- 4 mL of 20% Contrad
- 1000  $\mu$ L/min, 3000  $\mu$ L acquisition vol
- Run 2-3x

### Step 2: Quick Deep Clean

- Use 20% Contrad instead of Bleach

### Step 3: Thorough Deep Clean

- Use 20% Contrad instead of bleach
- Run Thorough Shutdown with 20% Contrad



**IMPORTANT:** If clog persists, **CONTACT STAFF IMMEDIATELY.** Do not perform additional troubleshooting

## OTHER COMMON ERRORS

### LEAK DETECTED:

Check fluidics bottles. Ensure fluidics tray is dry

### SAMPLE PUMP ERROR:

Rinse instrument. Perform Startup if necessary. Contact staff immediately.

### BUBBLES DETECTED (AAS):

Switch from V-bottom to U-bottom plates. Visit validated plate list on FCCF website.